USB GPS Receiver | UPC Code: 795945035308

BU-353

GPS Receiver

- SiRF Star III
- 20-Channel All-In-View Tracking
- NMEA 0183
- WAAS / EGNOS Support
- 2.08" Diameter X 0.75"
- Built-In Supercap For Rapid Acquisition
- Built-In GPS Patch Antenna
- Built-In Roof Mount Magnet
- USB Interface

The BU-353 GPS Receiver can be utilized in a variety of applications which require GPS signals to be received and decoded in your Windows laptop or tablet, and for Mac users, iBooks or Powerbooks. Compatible with most NMEA compliant third-party software, the BU-353 is suitable for use in vehicle, marine and aviation navigation, as well as commercial and municipality applications such as fire trucks, police cars, buses, GIS data collection and much more!

The BU-353's slim profile housing is completely waterproof and incorporates an active patch antenna for the highest level of GPS accuracy. With a 60" cable, placement of the GPS receiver with in the vehicle is not critcal however in those rare occurrences when towering high-rises offer challenging satellite reception, simply place the BU-353 on the vehicle's roof (attaches via a built-in magnet) for improved performance. Since power and data are transferred through the BU-353's USB cable, there's no need for batteries or any other external power source.

USGlobalSat INCORPORATED

USB GPS Receiver

General Specifications

GPS Chipset.....SiRF Star III e/LP
Frequency.....L1, 1575.42 MHZ
C/A Code.....1.023 MHz chip rate
Channels.....20 all-in-view tracking
Sensitivity.....-159 dBm
Accuracy.....5m 2D RMS WAAS enabled
10m 2D RMS WAAS disabled

Aquisition Rate

Hot start.....8 sec., average
Warm start.....38 sec., average
Cold start.....45 sec., average
Reacquisition.....0.1 sec. average

Protocol

GPS Protocol.....Default: NMEA 0183 (Secondary: SiRF binary)
GPS Output Data.....SiRF binary >> position, velocity, altitude, status and control NMEA 0183 V2.2 protocol, and supports command: GGA, GSA, GSV, RMC, VTG, GLL v2.2 (VTG and GLL are optional)
GPS transfer rate.....Software command setting (Default : 4800,n,8,1 for NMEA)

Dynamic Condition

Acceleration Limit.....Less than 4g
Altitude Limit.....Max 60,000 Feet (18,000 meters)
Velocity Limit.....Max 515 Meters / sec (1000 Knots / 151 MPH)
Jerk Limit.....20 m/sec**3

Environmental Specifications

Operating.....-40°~ 176°F (-40°~ 80°C)
Storage.....-40°~ 176°F (-40°~ 80°C)
Humidity.....Up to 95% non-condensing

Electrical Characteristics

Voltage.....4.5V - 6.5V
Current.....50mA typical

Physical Charateristics

Dimension.....2.08" diameter x 0.75" (53mm dia. x 19.2mm)
USB Cable Length.....59" (1,500 mm)
Weight.....2.2Ounces (62.37g)

Carton Specifications

Quantity Per Box.....50
Carton Weght.....26lbs
Carton Dimensions.....29" x 16" x 12" (736.6mm x 406.4mm x 304.8mm)

PACKAGE CONTENTS:

Suction Cup

20 CHANNEL | WIN
USB | SiRF III | MAC

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